

SCIENTIFIC NOTES.

POCKET SPECTROSCOPE.—The new optical glass of great density, made by Messrs. Chance of London, has been used for four of the ten prisms contained in a direct vision spectroscope, which is small enough to be carried in the pocket, yet so powerful that it shows the details of the spectrum widely separated.

TO PRESERVE MEAT IN HOT WEATHER.—M. Guignet states in *Les Moutes* that butcher's meat may be preserved in hot weather by placing it in large earthen jars, putting clean heavy stones upon it, and covering it with skim milk. The milk will become sour, of course, but may afterward serve as food for pigs, and the meat will be found to have lost the natural primitive freshness, even after eight or ten days.

CLIMATE INFLUENCED BY DRAINAGE.—Prof. Ballot, Director of the Netherlands Meteorological Institute at Utrecht, in his report on the draining of the Haarlem Lake, in Holland, a surface of 19,000 hectares (about 49,433 acres), has had the effect of increasing the average summer temperature of that locality, and that decrease, by one-half a degree Centigrade, and of decreasing the average winter temperature one-half a degree.

SINGULAR MOLECULAR CHANGE.—While making some experiments on heating strained iron wire to redness, by means of electricity, Mr. Goss observed that after disconnecting the battery, and during the process of cooling, the wire suddenly elongated, and then gradually shortened until quite cold. A number of experiments were made with wires of different metals and alloys, but in no case was a similar change detected. The amount of elongation in the iron wire was found to be about 1.246 part of its length at 100° C., and the amount of contraction, at the same temperature, was observed at any particular temperature, therefore the diminution of extension seems to depend not only on temperature and strain, but on the composition of the metal.

THE CULTIVATION OF TRUFFLES.—A French journal gives a long account of the cultivation of truffles, and the analysis of a different kinds of soil in which these ergotomycetes grow. The results do not show that any particular composition of soil is specially adapted to their growth, although it appears that they flourish in those parts of France which are noted for producing good wine. The paper states that truffles were largely cultivated in that country for the last 15 years. The remains of ancient Cyclopean walls, although the common kinds are indigenous in Pennsylvania and North Carolina, have been but little cultivated in this country. To produce the best varieties, even more care is required in the preparation of the soil than in the growing mushroom, which belongs to the same family of plants.

Instruction.

D. U. MARTIN, M. D., Teacher of GYMNASTICS, Light and Vocal, in Schools. No. 349 Fourth-ave.

ELMIRA FEMALE COLLEGE.—A superior College, with Religious and Academic departments attached, for the education of young ladies. Apply early to secure a place. The Rev. A. W. COWLES, D. D., President, Elmira, Chemung County, N. Y.

FEMALE COLLEGE.—Bordentown, N. J.—This institution, so long and so favorably known, continues to furnish the best educational advantages in connection with a pleasant Christian home. Catalogues, with terms, etc., furnished on application. College opens September 1st.

JOHN H. BRAKEY, President.

FEMALE BOARDING-SCHOOL, near NEW-YORK.—Prof. R. G. KIRKLAND, No. 16 Livingston-st., Brooklyn.

GOOD BOYS LIKE EXCELLENCE BETTER THAN SHAM—lessons concerning RIVERVIEW MILITARY ACADEMY.

A wide-awake, thorough-going School for Boys wishing to be trained for business, for college, or for West Point or the Naval Academy. OTIS BISLER, M. A., Principal.

GLEN COVE SEMINARY.—Glen Cove, L. I.—A school for girls, with a course specially prepared for the Bishop of the Diocese of Long Island. Fall session, 15 weeks, commences 1st of September. For circulars apply to J. E. BURWOOD, Principal.

GOLDEN HILL SEMINARY FOR YOUNG LADIES.—New Haven, Conn.—For circulars address Prof. MAX ELLIOTT NELSON.

HUDSON RIVER INSTITUTE and CLAREMONT COLLEGE.—Offer a Year's Collegiate Course for Ladies. Graduates receive the Bachelor's degree. A three years' course for ladies and gentlemen, leading to a bachelors' degree for young men. The entire course \$300 a year. Begun September 6. Address Rev. ALONZO FLACK, A. M., Claremont, Vt.

IRVING INSTITUTE, Tarrytown, N. Y.—A Boarding School for Boys. Prof. ROBERT E. POWELL, M. A., Principal.

MAPLEWOOD INSTITUTE for YOUNG LADIES.—Pittsfield, Mass.—Long and widely known for superior facilities and rare beauty of location. Six hours from New-York. Board and English Tuition, \$300 per year; \$200 to clerical patrons. V. SPEAR, Principal.

MILLE ROSTAN'S FRENCH AND ENGLISH PROTESTANT SCHOOL FOR YOUNG LADIES.—No. 111 EAST THIRTY-SIXTH-ST. The course of instruction is designed to combine a thorough English education with the practical knowledge of the French and other modern languages.

MRS. PARKS AND MRS. BENEDICT'S EDUCATIONAL BOARDING AND DAY SCHOOL for YOUNG LADIES.—No. 183 Madison-ave., corner Thirty-second-st., response Sept. 12. For circulars apply as above.

MRS. WILLIAMS' English and French Boarding and Day School for young ladies and clergymen. No. 20 West 12th-st., New York. Letters addressed to Mrs. Williams, 12th-st., New York.

MRS. SYLVANUS REED'S French and English Boarding and Day School. No. 161 East Thirty-eighth-(corner of Park-ave.) will be reopened on the 22d of September.

PROSPECT HILL SCHOOL for YOUNG LADIES.—Lafayette Green, Princeton, N. J.—A boarding school for young ladies, with a three years' course, will reopen Sept. 13. For circulars apply to D. PUCKETT, Principal, or Miss E. E. KENTON, Lady Principal.

SOMERS MILITARY ACADEMY.—A BOARDING SCHOOL for BOYS, Somers, Westchester County, N.Y.

CAPT. JAMES WHALER, Jr., Grd. U. S. Mil. Acad. West Point, Superintendent.

SPRINGSIDE SCHOOL for BOYS, at Pittsfield, Mass. Next term begins Sept. 1. For circulars apply to W. C. RICHARD, Principal.

SITUATION WANTED by a lady well qualified to teach the higher branches of English, French, and German.

SOMERS MILITARY ACADEMY.—A BOARDING SCHOOL for BOYS, Somers, Westchester County, N.Y.

CAPT. JAMES WHALER, Jr., Grd. U. S. Mil. Acad. West Point, Superintendent.

UNION HALL Seminary for young Ladies, with Miss STEPHENS, Principal.

WYERS'S SCIENTIFIC and CLASSICAL INSTITUTE at West Chester, Pa. A Scholarly year of 10 months begins Wednesday, Sept. 1, 1869. For catalogues, &c., apply to WILLIAM F. WYERS, A. M., Principal and Professor.

PRIVATE SCHOOL FOR SALE—ADDRESSES SCHOOL, Tribune Office.

1214 BROADWAY.—Miss Young's French and English School for Misses and Masters will reopen Monday, Sept. 20. The scholars are daily exercised in a species grammar.

Centers.

A N experienced classical, mathematical, and English TEACHER, with excellent testimonial, desires employment for female teacher, is now wanted. Clarendon, Boston. Mrs. F. W. SCHERMERHORN, No. 14 Bond-st.

TEACHERS WANTING AUTUMN ENGAGEMENTS should have Amer. School Institute's Application Book sent to them, and if desired, a copy of the Amer. Standard for first-class schools; also, Ladies for Music, French and Drawing.

WEDDING; OR, THE RIGHT RELATIONS OF THE SEX. A new and popular Summer book, giving practical scientific instruction as to who should and who should not marry. Booksellers have it; \$1.50, or 40c extra, \$2.50. Sent, first post, by R. S. WELLS, No. 300 Broadway, N. Y.

"MARRIED AGAINST REASON?" IS A very interesting book, containing a history of the author's life, and a picture of the manners of the middle class drawn from the personal observation of its cultured author, Mrs. Sheldon Mackay, and her son, Mr. Loring, Publisher, Boston.

TELEGRAPHIC ALMANAC REPRINTED.—Copies sent from 1829 to 1859, both inclusive, bound in two volumes. Price \$1.50.

PUBLIC LIBRARIES, and all others interested, will be glad to know that we have been enabled to reproduce THE TRIBUNE ALMANAC for the years 1829 to 1859, inclusive, excepting 1848, in which year none was issued—comprehending the Political's Register, and the Whig Almanac, containing Annual Election Returns by States and Counties, lists of Presidents, Cabinet, Judges of the Supreme Court, Foreign Ministers, Governors of States, &c., with Summaries of Acts of Congress and other Political Statistics. The following introduction to the volumes, by Mr. Greeley, fully explains their scope:

"In the fall of 1837—years before the establishment of *The Tribune*—the October Elections having developed a popular uprising against the *Journal of Commerce*, and the *Advertiser of New-York*, I was moved to issue a POLITICAL ALMANAC for 1838, intended mainly to embody the election Returns of that year, and compare them with those of succeeding years. The popularity of that little annual was such as to justify us in issuing each successive year, until 1847, when the cost of printing and paper had increased to \$400 per thousand copies, and the profits were entirely exhausted. Then we failed to obtain a cent directly from time to time thrown upon the market have commanded fabulous prices."

The complete sets of the Register and Almanacs are comprised in two neatly bound volumes, and are now ready. Price for the two volumes, \$10.

Those wishing to secure these interesting Political Statistics should send in their orders immediately, as only 1,000 copies are printed.

Each order must be accompanied with the cash. Address THE TRIBUNE, New-York.

Instruction.

A SUBLURBAN HOME SCHOOL, New-Haven, Conn., Rev. A. BREWER, Reader. See Circular.

A NEW SYSTEM of TEACHING introduced in the UNITED STATES.—Prof. J. N. COOPER, 127 Broad-st., Philadelphia, Pa.

"A most excellent way," making study more pleasant and profitable, "has received the highest commendation of many leading educational men." For further particulars apply to C. G. HAZARD, No. 233 Grand-st.

A FRENCH and highly educated LADY wishes more private pupils for the Summer and Fall; would also teach French. If suitable, an engagement is at institute. Apply to the Rev. Dr. VERNERS, No. 29 West Twenty-second-st., or to the teacher herself, No. 27 North Washington-square, N. Y.

BOARDING SCHOOL.—TARRETTOWN MILITARY INSTITUTE, TARRETTOWN, N. Y.—J. J. JACKSON and C. C. CURTISS, Principals.

BROOKLYN HEIGHTS SEMINARY.—FOR YOUNG LADIES. Will reopen Sept. 20. Circulars may be made by letter or otherwise at No. 52 Montgomery-st., Brooklyn, N. Y.—CHARLES E. WEST, Principal.

BRAINERD INSTITUTE, Cranberry, New-Jersey, Rev. ELIAS S. SCHENCK, A. M., Principal; a Military boarding school the best suited to prepare young gentlemen for the service of their country. Girls are admitted. Kind and judicious teachers. Gymnastics, and equipments complete. Terms moderate, fees a dollar.

BISHOPSTORPE.—The second year of the SCHOOL for GIRLS will begin, D. V., the 14th of September, 1869. The school will be open to girls from 10 to 18 years of age, taught by a teacher of a reverent, generous, and so far as possible, French language. Address, Mrs. CHASE, Bishopsthorpe, Leicestershire, England.

DREDWELL'S SEMINARY, Carmel, N. Y.—A new and elegant seminary, with spacious apartments, will be opened in September, 1869. Will be open to girls of all ages, and will receive additional admissions in solid branches and the arts. Fall session, 12 weeks, opens Aug. 16. For circulars apply to G. C. SMITH, Principal.

Instruction.

REAL ESTATE.

NEW YORK, Wednesday, July 26, 1869.

Yesterday Messrs. Mallory & Blackwell held the continuation sale of building lots at Archville, about two miles north of Tarrytown. Every piece of ground left over from the former sale was closed out at the price auctioned:

AUCTION SALES of WESTCHESTER COUNTY REAL ESTATE.

BY MALLORY & BLACKWELL—LOTS at ARCHVILLE, near TARHINTON.

House and 2 lots, n. w. of Regal, 100 ft. of Broadway, \$1,600.

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